(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization

International Bureau



(43) International Publication Date 6 October 2005 (06.10.2005)

PCT

(10) International Publication Number WO 2005/093911 A1

(51) International Patent Classification7:

H01R 13/66

(21) International Application Number:

PCT/IB2005/000426

(22) International Filing Date: 17 March 2005 (17.03.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data: 2004/2141

17 March 2004 (17.03.2004) ZA

(71) Applicants and

(72) Inventors: KOTZE, Leon [ZA/ZA]; 72 Willow Street, 1871 Kliprivier (ZA). RICHTER, Alexander Franz [ZA/ZA]; Plot 82, Farm Zwartkop 525 JQ, 1747 Muldersdrift (ZA).

(74) Agents: DONALD, Heather, June et al.; Spoor & Fisher, P.O. Box 41312, Craighall, 2024 Johannesburg (ZA).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM,

AT. AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

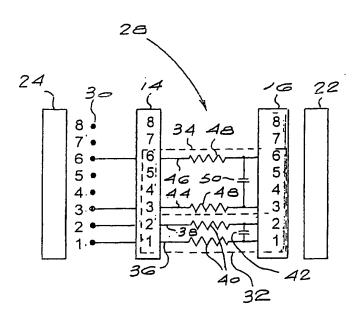
(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GII, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CII, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: NETWORK PROTECTOR



(57) Abstract: The invention provides a network protector (10) which comprises node connecting means (14) for connecting the network protector to a node (24) in an electronic network and hub connecting means (16) for connecting the network protector to a hub (22) in the electronic network. The network protector also includes a non-earthed surge protection circuit (28) for allowing electronic communication between the node connecting means and the hub connecting means. The surge protection circuit includes circuit breaking means (40, 42, 48, 50) for disrupting electronic communication between the node connecting means and the hub connecting means in response to electrical surges exceeding a specified value.